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U. S. Department of Agriculture



The Chas. G. Curtis Co
Nurserymen
and
Collectors

1932

Callicoon
New York

29th Annual
CATALOGUE

of

The Charles G. Curtis Co.

CHAS. G. CURTIS
ELIZABETH M. CURTIS

VALLEAU C. CURTIS
EDITH HELEN CURTIS

Nurserymen and Collectors

*"Azaleas for May
Kalmia for June
Rhododendrons for July"*

CALLICOON NURSERIES
Callicoon, New York

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OURS might truly be called a native plant nursery, as we specialize in plants that grow in the immediate vicinity of our nurseries—in fact our Rhododendron collecting fields adjoin them. They, therefore, have the most ideal conditions for developing the very best quality of plants.

All our collected and nursery grown plants are *northern grown* and therefore are particularly hardy for landscape work in the north.

We hold nursery inspection certificates for both New York and Pennsylvania.

We have had twenty-nine years of experience in selecting, digging, and packing nursery and collected plants and feel that we can give you the very best in selection and quality.

Nursery Stock

HEMLOCK

IN THIS section of the country Hemlocks attain their maximum height as forest trees. In developing our Hemlock Nursery we have taken advantage of these natural conditions for Hemlock growth and have developed trees that cannot be surpassed for thriftiness, shapeliness, and root system.

We grow these trees from seed which we collect and sow ourselves. We, therefore, can give our hemlocks the proper conditions in soil and exposure

from the very point of germination and thereby develop a superior root system for withstanding drastic changes in location.



Typical
Hemlock
in our
Nurseries

TSUGA canadensis (<i>Canada Hemlock</i>)	Each	100	1000
3 to 6 inch from seedbeds		\$ 36.00	
6 to 10 inches once transplanted		120.00	
8 to 12 " twice " 		216.00	
12 to 18 " " " 	\$ 36.00	300.00	
18 to 24 " " " 	60.00	480.00	
1 to 2 ft. three times transplanted			
B & B sheared	150.00	1200.00	
2 to 3 ft. three times transplanted			
B & B sheared	240.00	2100.00	

TSUGA canadensis (*Continued*)

3 to 4 ft. three times transplanted			
B & B sheared	360.00	3300.00	
4 to 5 ft. three times or more transplanted			
B & B sheared	\$6.00	540.00	5100.00
5 to 6 ft. three times or more transplanted			
B & B sheared	8.40	720.00	6900.00
6 to 7 ft. three times or more transplanted			
B & B sheared	12.00	1080.00	

Other Nursery Stock

KALMIA latifolia (*Mountain Laurel*) (B & B)

	EACH
12"-18" once transplanted	\$1.20
18"-24" " "	1.80

CORNUS stolonifera (*Red Osier*) (B & B)

3—4 ft. once transplanted	1.20
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PIERIS floribunda (*Mountain Andromeda*) (B & B)

12"x12" once transplanted	1.80
12"x18" " "	3.00

PINUS strobus (*White Pine*) (B & B)

4—5 ft. twice transplanted	3.60
5—6 ft. " "	4.80



Rhododendron Catawbiense in Our Nursery

RHODODENDRON catawbiense (*Catawba Rhododendron*) (B & B)

12"-16" once transplanted	\$2.40
16"-20" " "	3.60

Rhododendron Maximum

 CHARLES G. CURTIS, as one of the pioneers in the Rhododendron business, collected his first Rhododendrons twenty-nine years ago.

It is interesting to note that quite a considerable number of his present customers or their predecessors bought from him during his first five years in the business. This is certainly evidence of the fine quality of our Rhododendrons.

The majority of the collectors dig plants here and there throughout the country side where they have no actual control over the development of the plants. We, however, collect on our own lands. Here we have cut back the old stalks, allowing the new shoots to sprout from the old roots.

By careful thinning from time to time we develop a grade of plants that under natural forest conditions would only exist occasionally. The old roots soon decay and disappear.

We collect only northern grown Rhododendrons. All plants are dug and packed under our personal supervision.

We list three grades of Rhododendrons—Average, Specially Selected and Extra Heavy Specimens.

AVERAGE plants are symmetrical plants well furnished.

SPECIALLY SELECTED plants are those that might truthfully be called light specimens. They are plants well above the average.

EXTRA BROAD HEAVY SPECIMENS are the very best and heaviest plants that we have. They are as broad if not broader than they are high and furnished to the ground.



*Typical Rhododendron Maximum
In Our Collecting Fields*

RHODODENDRON maximum

	Average Plants	Specially Selected Plants	Extra Heavy Specimen Plants	Broad (B & B)
1—2 ft.	\$.60	\$.96		
2—3 ft. ....	.84	1.20	\$ 2.40	
3—4 ft.	1.08	2.40	4.20	
4—5 ft.	1.80	3.60	7.20	
5—6 ft.	2.70	4.80	9.60	
6—7 ft.	3.90	6.60	14.40	
2—4 ft. Mixed Sizes ....	.96			
2—5 ft. " "	1.08			
5—8 ft. " "	4.20			

Burlapping "Average" and "Specially Selected" plants extra as follows:
1 to 4 ft. \$.10—4 to 6 ft. \$.20—6 to 8 ft. \$.25.

Seedlings

RHODODENDRON maximum (*Great Laurel*)

3— 6 inches	\$30.00 per 1000
6—12 inches	50.00 per 1000

AZALEA

E list the Azalea nudiflora and rosea together. They grow in the same locations and have about the same form of growth and general habit. The principal difference is in the bloom. The rosea blooms later than the nudiflora and is much more fragrant. In many locations it is very difficult to distinguish these two apart. The reason seems to be that they have crossed. The result is a blending of the two species.

Because of this natural hybridizing we are unable to guarantee that each plant will be true nudiflora or rosea.

AZALEA nudiflora and rosea

	Each	Per 100
1—2 ft.	\$.65	\$ 44.00
2—3 ft. ....	.80	62.00
3—4 ft. ....	.90	75.00
4—5 ft.	1.25	90.00
5—6 ft.	1.50	112.50
6—8 ft.	2.00	160.00
Mixed sizes 2—6 ft.		75.00

Kalmia latifolia

OUR *Kalmia latifolia* is collected in open fields where they have had an opportunity to develop into bushy plants. We have an unusually large supply of *Kalmia* in all sizes and grades.



KALMIA latifolia (<i>Mountain Laurel</i>)	Average Selected Plants	Extra Broad Heavy Specimen B & B
1— 2 ft.	\$.65	
2— 3 ft. ....	.84	\$2.40
3— 4 ft.	1.08	4.20
4— 5 ft.	1.80	7.20
5— 6 ft.	2.70	9.60
6— 8 ft.		24.00
8—10 ft.		
Mixed sizes 1 to 4 ft. ....	.90	

Burlapping on average plants extra as follows: 1—4 ft. \$.10, 4—6 ft. \$.20, 6—8 ft. \$.25.

Seedlings

KALMIA latifolia (*Mountain Laurel*)

3—6 inches \$30.00 per 1000

Collected Hemlock

O NOT expect to receive a nursery grown Hemlock with a thick compact root system when you order collected trees. Hemlocks are naturally surface feeders. These roots seldom penetrate into the soil more than 6 inches. You, therefore, get a shallow, light ball on most collected Hemlocks. Due to the nature of the ball they must be handled carefully and great care should be taken in planting them. They should be planted in a humus soil and kept very moist. Shearing relieves the roots from considerable burden and gives them an opportunity to recover.

We lift Hemlocks with all the roots that they will hold and burlap them immediately after digging, using sphagnum moss on the exposed roots.

We cannot be responsible for the trees after they leave our hands.

TSUGA canadensis (*Canada Hemlock*) Collected (B & B)

	Each	Per 100
1— 2 ft.	\$.70	\$ 48.00
2— 4 ft.	1.02	90.00
4— 6 ft.	3.00	180.00
6— 8 ft.	4.80	360.00
8—10 ft.	12.00	960.00
10—12 ft.	18.00	1560.00
12—14 ft.	24.00	2160.00
14—16 ft.	36.00	
16—18 ft.	48.00	

Seedlings

TSUGA canadensis (*Canada Hemlock*)

4— 8 inches	\$20.00 per 1000
8—12 inches	40.00 per 1000

WHITE PINE

E collect White Pine trees in fields where the pine has ample opportunity to develope on all sides. They are dug from fields that are heavily sodded and thus will hold a good ball.

PINUS strobus (<i>White Pine</i>)	(B&B)	(Collected)
	Each	Per 100
2— 4 ft.	\$1.15	\$ 75.00
4— 6 ft.	2.50	155.00
6— 8 ft.	5.00	380.00
8—10 ft.	12.50	1000.00

Prices quoted on larger sizes on application

Deciduous Trees and Shrubs

 HESE collected deciduous trees and shrubs are taken from the forests and open fields of this locality.

Of this list there are several plants that are extremely well adapted to landscape planting.

Hamamelis virginiana, Ilex monticola, and Vaccinium corymbosum are extensively used in landscape work. We have these plants in fine bushy clumps and in large quantities.

For fall effect there is the red fruit of the Ilex, the yellow bloom of the Witch Hazel and the brilliant foliage color of the Huckleberry.

These prices are on carload lots only

	Each	Per 100
ARONIA arbutifolia (<i>Red Chokeberry</i>) 1— 3 ft.	\$.45	\$ 30.00
ARONIA nigra (<i>Black Chokeberry</i>) 1— 3 ft. ....	.45	30.00
BETULA lenta and lutea (<i>Black and Yellow Birch</i>) 2— 4 ft. ....	.25	15.00
4— 6 ft. ....	.45	25.00
6— 8 ft. ....	.65	45.00
8—10 ft. ....	.80	65.00
10—12 ft.	1.25	95.00
12—14 ft.	1.90	125.00
BETULA populifolia (<i>Gray Birch</i>) 6— 8 ft.	1.08	.90
8—10 ft.	2.10	1.80
10—12 ft.	4.20	3.60
12—14 ft.	10.80	9.60
CEANOTHUS americana (<i>New Jersey Tea, Red Root</i>) 1— 3 ft. ....	.45	25.00
COMPTONIA asplenifolia (<i>Sweetfern</i>) 1½— 4 ft. ....	.25	15.00
CORNUS circinata (rugosa) (<i>Roundleaf Dogwood</i>) 2— 6 ft. ....	.45	25.00
CORNUS paniculata (<i>Gray Dogwood</i>) 3— 4 ft. ....	.60	48.00
4— 6 ft. ....	.84	72.00
CORNUS stolonifera (<i>Red-osier Dogwood</i>) 2— 6 ft. ....	.45	25.00
CORYLUS americana (<i>American Hazelnut</i>) 2— 4 ft. ....	.65	45.00
4— 6 ft. ....	.95	65.00
6— 8 ft.	1.25	95.00

HAMAMELIS virginiana (<i>Common Witch Hazel</i>)			
2— 4 ft.	\$.95	\$ 65.00	
4— 6 ft.	1.15	95.00	
6— 8 ft.	1.80	125.00	
Mixed sizes, 2—8 ft.		100.00	
ILEX monticola (<i>Mountain Winterberry</i>)			
2— 4 ft. ....	.90	65.00	
4— 6 ft.	1.25	95.00	
6— 8 ft.	1.90	125.00	
LYONIA ligustrina (<i>He-Huckleberry</i>)			
2— 4 ft. ....	.60	48.00	
4— 6 ft.	1.08	90.00	
NEMOPANTHUS mucronata (<i>Mountain Holly</i>)			
2— 5 ft. ....	.72	60.00	
5— 8 ft.	1.20	90.00	
8—10 ft.	1.80	150.00	
PRUNUS virginiana (<i>Chokeberry</i>)			
4— 6 ft. ....	.90	60.00	
6— 8 ft.	1.20	90.00	
SPIRAEA alba (<i>White Spiraea</i>)			
1— 3 ft. ....	.30	25.00	
SPIRAEA tomentosa (<i>Hardhack</i>)			
1— 3 ft. ....	.30	25.00	
VACCINIUM corymbosum (<i>Highbush Blueberry</i>)			
2— 3 ft. ....	.72	60.00	
3— 4 ft. ....	.90	72.00	
4— 5 ft.	1.15	95.00	
5— 6 ft.	1.68	150.00	
6— 8 ft. specimen	7.20		
VACCINIUM pensylvanicum (<i>Lowbush Blueberry</i>)			
6—12 inches ....	.20	15.00	
VIBURNUM acerifolium (<i>Mapleleaf Viburnum</i>)			
1— 2 ft. ....	.20	15.00	
2— 4 ft. ....	.36	25.00	
VIBURNUM cassinoides (<i>Witherod</i>)			
4— 6 ft.	1.20	90.00	
6— 8 ft. Specimen	4.80		
VIBURNUM alnifolium (<i>Hobblebush</i>)			
2— 4 ft. ....	.25	20.00	
4— 6 ft. ....	.60	40.00	

Native Wild Flowers



HIS is not a complete list of all wild flowers native to this section but includes all plants that can be collected in large quantities.

No order accepted for quantities of less than 50.

These can be packed between other trees and shrubs in a car or truck and would take no additional space.

	Per 100
AQUELEGIA canadensis (<i>Columbine</i>)	\$ 8.00
ARISAEMA triphyllum (<i>Jack-in-Pulpit</i>)	6.00
ASARUM canadense (<i>Wild Ginger</i>)	6.00
CALTHA palustris (<i>Cowslip</i>)	7.00
CLINTONIA borealis (<i>Clintonia</i>)	7.00
CORNUS canadensis (<i>Bunchberry</i>)	8.00
DENNTARIA diphylla (<i>Crinkleroot</i>)	6.00
EPIGAEA repens (<i>Trailing Arbutus</i>)	20.00
ERYTHONIUM americanum (<i>Adders Tongue</i>)	4.00
GAULTHERIA procumbens (<i>Wintergreen</i>)	7.00
GERANIUM Robertianum (<i>Herb Robert</i>)	5.00
HEMEROCALLIS fulva (<i>Tawny Day Lily</i>)	1.50
HOUSTONIA caerulea (<i>Bluets</i>)	4.00
HYDROPHYLLUM virginianum (<i>Virginia Waterleaf</i>)	7.00
INULA helenium (<i>Elecampane</i>)	7.00
LINARIA vulgaris (<i>Butter & Eggs</i>)	3.00
MAIANthemUM canadensis (<i>Wild Lily-of-the-Valley</i>)	2.00
MEDEOLA virginiana (<i>Indian Cucumber Root</i>)	5.00
MITCHELLA repens (<i>Partridge Berry</i>)	7.00
MITELLA diphylla (<i>Mitrewort</i>)	6.00
MONARDA didyma (<i>Oswego Tea</i>)	8.00
MYOSOTIS scorpioides (<i>Forget-me-not</i>)	7.00
PODOPHYLLUM peltatum (<i>Mandrake</i>)	5.00
POLYGALA paucifolia (<i>Fringed Polygala</i>)	7.00
RANUNCULUS acris (<i>Common Buttercup</i>)	3.00
SANGUINARIA canadensis (<i>Bloodroot</i>)	8.00
SAPONARIA officinalis (<i>Bouncing Bet</i>)	3.00
SAXAFRAGA virginiana (<i>Early Saxafrage</i>)	5.00
SOLIDAGO (<i>Golden Rod</i>), mixed varieties	5.00
TIARELLA cordifolia (<i>False Mitrewort</i>)	6.00
TRIENTALIS borealis (<i>Star Flower</i>)	2.00
TRILLIUM erectum (<i>Wake Robin</i>)	5.00
TRILLIUM undulatum (<i>Painted Trillium</i>)	5.00
VIOLA blanda (<i>Sweet White Violet</i>)	3.00
VIOLA canina (<i>Dog Violet</i>)	4.00
VIOLA cucullata (<i>Common Blue Violet</i>)	3.00
VINCA minor (<i>Blue Myrtle</i>)	10.00

Hardy Ferns

HE ferns listed are dug in large CLUMPS with one to four clusters of fronds in a clump. They can be used for massing or planting separately, but give an especially fine effect planted with Rhododendron maximum or other evergreens. Any carload could contain 200 to 300 ferns WITHOUT EXTRA CHARGE FOR TRANSPORTATION, as they could be packed between other plants, filling in vacant spaces.

	Per 100	Per 1000
ADIANTUM pedatum (<i>American Maidenhair</i>)	\$ 6.50	\$50.00
DENNSTEDIA punctilobula (<i>Hay-scented</i>)		
	\$.12 per square foot of fern sod containing many ferns	
DRYOPTERIS marginalis (<i>Leather Woodfern</i>). <i>Marginal Shield</i>)	6.50	50.00
DRYOPTERIS spinulosa (<i>Toothed Woodfern</i>)	6.50	50.00
ONOCLEA sensibilis (<i>Sensitive</i>)	10.00	80.00
OSMUNDA cinnamomea (<i>Cinnamon</i>)	20.00	150.00
OSMUNDA claytoniana (<i>Interrupted</i>)	10.00	88.00
POLYSTICHUM acrostichoides (<i>Christmas</i>)	6.50	50.00
PTERETIS nodulosa (<i>Ostrich</i>)	15.00	125.00
POLYPODIUM vulgare (<i>Common Polypody</i>)		
	\$.65 per square foot of fern sod	

Humus for Planting

Our humus is no longer an experiment. We have well defined knowledge of its value.

In our own nursery where we have used it for years we consider it of great value as a plant food and a moisture holding element. There is a marked difference in growth and healthy appearance between plants where our humus is used and where it is not used.

It has been thoroughly tested by scientists in laboratory experiments. Last year when used with 4 other specimens of humus on Rhododendron ponticum our humus was found to be very high in acidity and water holding capacity. Analysis showed that it contained the highest percentage of nitrogen, a trace of phosphoric acid (same as the other samples) and the highest percentage of potash of any of the 5 samples.

We can put 4 or 5 tons on the floor of the car when making a shipment of plants. This keeps the plants in excellent condition in transit and it can be shoveled out and used in planting them.

PRICES ON HUMUS

\$10.80 per ton in bulk
\$17.80 per ton bagged

We will send a sample free of charge upon request.

Water Worn Stones for Garden Walks

GHESE stones are a hard bluestone picked from the Delaware River bed. They have one flat surface worn smooth by water action.

Water worn stones are ideal for use in naturalistic work, in gardens or for borders of beds and water pools.

Stones averaging:

12 inches square covering space	.....	\$ .15 each
18 inches square covering space	.....	.30 each

These stones are irregular in shape and therefore cannot be scaled to the inch.

Write for prices on larger sizes.



*Our water-worn stones used in garden steps on the estate of Paul Cravath, Locust Valley, N. Y.
Morse and Morse, Landscape Contractors*

Broken Flagstone for Walks

Broken bluestone flag suitable for walks and paving

At random measure \$.16 per square foot

Shipping

BY RAILROAD: We are located on the main line of the Erie Railroad, which runs between New York and Chicago. This railroad has fine freight facilities.

Due to revisions in the freight rates we are unable to list the carload rates as we usually do. We will be glad to quote rates to any point of delivery upon request.

BY TRUCK: The following are the trucking rates per mile. These rates only apply on the mileage *one* way, that is, from shipping point to destination:

5 ton truck	\$.65 per mile
3½ ton truck .....	.45 per mile
2 ton truck .....	.35 per mile

	Mileage		Mileage
Tarrytown	100	Glen Cove, L. I.	130
White Plains	110	Patchogue, L. I.	145
Mamaroneck	115	Babylon, L. I.	130
Greenwich	130	Tuxedo, N. Y.	85
New York City	125	Paterson, N. J.	100
Huntington, L. I.	130	Elizabeth, N. J.	110
Westbury, L. I.	130	Poughkeepsie	75

Packing Schedule

Approximate number of plants packed in cars and trucks.

	FREIGHT CAR						
Rhododendron, Kalmia Azalea, Ilex, Viburnum cassinoides, Hamamelis	1'-2'	2'-3'	3'-4'	4'-5'	5'-6'	2'-5'	
	450	350	300	250	200	300	Floor Space
	750	550	500			500	Double Deck
	1050	750					Triple Deck
			1250	850	550	900	Cordwooded
Pinus strobus, Tsuga canadensis	1'-2'	2'-4'	4'-6'	6'-8'	8'-10'	10'-12'	
	1100	650	350	200	250		Floor Space
	1850	1050					Double Deck
	2450						Triple Deck
	2450	1050	550	600	100		Cordwooded
Viburnum alnifolium, Vi- burnum acerfolium, Cornus circinata, Corylus ameri- cana, Comptonia aspleni- folia	2'-4'	4'-6'	6'-8'	8'-10'	10'	12'	14'
	1100	550	350	150			Floor Space
	1700	1100	650				Double Deck
	2450						Triple Deck
	4500	3500	1900	350	550	250	Cordwooded
	TRUCK						
Rhododendrons Kalmia	2'-3'	3'-4'	4'-5'	5'-6'	2'-4'	2'-5'	
	300	200	150	90	250	225	Large Truck
	225	150	100	75	200	175	Small truck

General Information



PLANTING:

In planting Rhododendron, Kalmia, Azaleas, Hemlocks and other native plants of this type use plenty of rich humus soil. These plants thrive best in soil that is highly acid. Use no lime in or near a planting of this kind.

PACKING:

The packing is done by experienced men. The floor of the car is first covered with a thick layer of moist sawdust. When decking is used the poles are covered with burlap and then with sphagnum moss. Sphagnum moss and burlap are also used around the doors to keep out the drying winds. The plants are packed tightly on the sawdust and moss and thoroughly drenched with water.

Cordwooding or laying the plants down is done if the customer so desires. This is done with care and moss is used liberally between the layers.

Packing is done at cost for less than carload lots.

BURLAPPING:

There is an extra charge of 10 cents to 25 cents per plant for burlapping where it is not designated.

SHIPMENTS:

When ordering please state plainly whether the order is to be sent by freight or express. If this information is not given we will use our best judgment without assuming any responsibility for delivery.

PRICES:

Prices are for carload lots F. O. B. shipping point.

Location of Nurseries

CALLICOON is located in the upper valley of the Delaware River, along the border of the States of New York and Pennsylvania and on the main line of the Erie Railroad.

Our two nurseries are situated one and one-half miles from the Erie Station. The offices are located in the village of Callicoon about one-half block from the station.

Our nurseries of 200 acres are always open to inspection. The Spring season opens in March or April as soon as the frost is out of the ground and continues until the plants become too far advanced for safe handling. The Fall season extends from late August until the ground becomes frozen. We welcome you to come and select your plants and particularly to see how we raise the best Rhododendron maximum and Kalmia latifolia.

MAP SHOWING LOCATION OF NURSERIES



